IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-31. Canceled.

32. (New) A radio communication system using TDMA-TDD (Time Division Multiple Access Time Division Duplex) radio communication for dividing one frame having a predetermined time period into N time slots and performing communication of independent signals at each of the time slots,

wherein the radio communication system comprises a master station and one or more slave stations,

wherein, when duplex communication between the master station and the slave station is performed, the master station performs TDMA-TDD radio communication using two time slots having a predetermined positional relation in the frame, and when simplex communication from the master station to the one or more slave stations is performed, the master station divides a transmission signal into signals having a one-time-slot transmittable length and performs TDMA radio communication using M time slots ($1 \leq M \leq N$),the M time slots including a first time slot

and other time slots, the first time slot being utilized for transmitting a control signal, the other time slots being utilized for transmitting one divided transmission signal of the divided transmission signals multiple times, the first time slot having a predetermined positional relation with the other time slots, and

wherein the slave station performs reception of the M time slots transmitted by the master station.

33. (New) The radio communication system according to Claim 32,

wherein the master station transmits a broadcast signal for notifying information on the time slot used to transmit the transmission signal, and

wherein the slave station receives the broadcast signal and determines a time slot for receiving the transmission signal.

34. (New) The radio communication system according to Claim 32, wherein the communication is performed using a frequency hopping scheme.

35. (New) The radio communication system according to Claim 34, wherein hopping sequences used at the M time slots for transmitting the transmission signal are selected as at least two different hopping sequences.

36. (New) The radio communication system according to Claim 32, wherein the transmission signal is image information.

37. (New) A door phone system comprising:

a base station for transmitting image information; and

an extended base station for receiving the image information,

wherein the base station comprises:

a radio unit for dividing a predetermined frame into N slots and performing communication at each of the time slots by using a TDMA-TDD (Time Division Multiple Access Time Division Duplex) radio communication;

storage unit for having an interface for inputting image information, the storage unit storing the input image information; and

control unit for dividing the image information stored in the storage means into data transmitted at the one time slot,

designating order numbers to the divided data, and transmitting the order numbers and the divided image information multiple times repeatedly at M time slots ($1 \leq M \leq N$), and

wherein the extended base station comprises:

a radio unit for dividing the frame into the time slots and performing communication using the TDMA-TDD radio communication at each of the time slots;

display unit for displaying the received image information; and

control unit for receiving the order numbers and the divided image information multiple times at the M time slots, discarding redundantly-received image information, and displaying the received image information on the display unit.

38. (New) The door phone system according to Claim 37,

wherein the base station notifies information on the time slot used to transmit the image information, and

wherein the extended base station receives the broadcast signal and the image information.

39. (New) The door phone system according to Claim 37,

wherein the base station transmits a control signal synchronized with the time slot, and

wherein the extended base station receives the control signal and performs communication in synchronization with the base station.

40. (New) The door phone system according to Claim 39, wherein, when the image information is transmitted, the base station performs transmission of the image information at the M time slots including at least one of a time slot for transmitting the control signal and a time slot having a predetermined positional relation with the time slot for transmitting the control signal.

41. (New) The door phone system according to Claim 39, wherein the base station transmits the broadcast signal at least one times instead of the control signal or together with the control signal at the time slot for transmitting the control signal.

42. (New) The door phone system according to Claim 37, wherein times of transmitting the image information from the

extended base station to the base station is directed, and the base station changes the times of transmitting the image information in accordance with the directed times.

43. (New) The door phone system according to Claim 37, wherein the communication is performed using a frequency hopping scheme.

44. (New) The door phone system according to Claim 43, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

45. (New) The door phone system according to Claim 43, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

46. (New) The radio communication system according to Claim 33, wherein the communication is performed using a frequency hopping scheme.

47. (New) The radio communication system according to Claim 46, wherein hopping sequences used at the M time slots for transmitting the transmission signal are selected as at least two different hopping sequences.

48. (New) The door phone system according to Claim 38,

wherein the base station transmits a control signal synchronized with the time slot, and

wherein the extended base station receives the control signal and performs communication in synchronization with the base station.

49. (New) The door phone system according to Claim 48, wherein, when the image information is transmitted, the base station performs transmission of the image information at the M time slots including at least one of a time slot for transmitting the control signal and a time slot having a predetermined positional relation with the time slot for transmitting the control signal.

50. (New) The door phone system according to Claim 48, wherein the base station transmits the broadcast signal at least

one times instead of the control signal or together with the control signal at the time slot for transmitting the control signal.

51. (New) The door phone system according to Claim 38, wherein times of transmitting the image information from the extended base station to the base station is directed, and the base station changes the times of transmitting the image information in accordance with the directed times.

52. (New) The door phone system according to Claim 39, wherein times of transmitting the image information from the extended base station to the base station is directed, and the base station changes the times of transmitting the image information in accordance with the directed times.

53. (New) The door phone system according to Claim 48, wherein times of transmitting the image information from the extended base station to the base station is directed, and the base station changes the times of transmitting the image information in accordance with the directed times.

54. (New) The door phone system according to Claim 40, wherein times of transmitting the image information from the extended base station to the base station is directed, and the base station changes the times of transmitting the image information in accordance with the directed times.

55. (New) The door phone system according to Claim 49, wherein times of transmitting the image information from the extended base station to the base station is directed, and the base station changes the times of transmitting the image information in accordance with the directed times.

56. (New) The door phone system according to Claim 41, wherein times of transmitting the image information from the extended base station to the base station is directed, and the base station changes the times of transmitting the image information in accordance with the directed times.

57. (New) The door phone system according to Claim 50, wherein times of transmitting the image information from the extended base station to the base station is directed, and the

base station changes the times of transmitting the image information in accordance with the directed times.

58. (New) The door phone system according to Claim 38, wherein the communication is performed using a frequency hopping scheme.

59. (New) The door phone system according to Claim 39, wherein the communication is performed using a frequency hopping scheme.

60. (New) The door phone system according to Claim 48, wherein the communication is performed using a frequency hopping scheme.

61. (New) The door phone system according to Claim 40, wherein the communication is performed using a frequency hopping scheme.

62. (New) The door phone system according to Claim 49, wherein the communication is performed using a frequency hopping scheme.

63. (New) The door phone system according to Claim 41, wherein the communication is performed using a frequency hopping scheme.

64. (New) The door phone system according to Claim 50, wherein the communication is performed using a frequency hopping scheme.

65. (New) The door phone system according to Claim 42, wherein the communication is performed using a frequency hopping scheme.

66. (New) The door phone system according to Claim 51, wherein the communication is performed using a frequency hopping scheme.

67. (New) The door phone system according to Claim 52, wherein the communication is performed using a frequency hopping scheme.

68. (New) The door phone system according to Claim 53, wherein the communication is performed using a frequency hopping scheme.

69. (New) The door phone system according to Claim 54, wherein the communication is performed using a frequency hopping scheme.

70. (New) The door phone system according to Claim 55, wherein the communication is performed using a frequency hopping scheme.

71. (New) The door phone system according to Claim 56, wherein the communication is performed using a frequency hopping scheme.

72. (New) The door phone system according to Claim 57, wherein the communication is performed using a frequency hopping scheme.

73. (New) The door phone system according to Claim 58, wherein hopping sequences used at the M time slot for

transmitting the image information are selected as at least two different hopping sequences.

74. (New) The door phone system according to Claim 59, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

75. (New) The door phone system according to Claim 60, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

76. (New) The door phone system according to Claim 61, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

77. (New) The door phone system according to Claim 62, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

78. (New) The door phone system according to Claim 63, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

79. (New) The door phone system according to Claim 64, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

80. (New) The door phone system according to Claim 65, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

81. (New) The door phone system according to Claim 66, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

82. (New) The door phone system according to Claim 67, wherein hopping sequences used at the M time slot for

transmitting the image information are selected as at least two different hopping sequences.

83. (New) The door phone system according to Claim 68, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

84. (New) The door phone system according to Claim 69, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

85. (New) The door phone system according to Claim 70, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

86. (New) The door phone system according to Claim 71, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

87. (New) The door phone system according to Claim 72, wherein hopping sequences used at the M time slot for transmitting the image information are selected as at least two different hopping sequences.

88. (New) The door phone system according to Claim 58, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

89. (New) The door phone system according to Claim 59, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

90. (New) The door phone system according to Claim 60, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

91. (New) The door phone system according to Claim 61, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

92. (New) The door phone system according to Claim 62, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

93. (New) The door phone system according to Claim 63, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

94. (New) The door phone system according to Claim 64, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

95. (New) The door phone system according to Claim 65, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

96. (New) The door phone system according to Claim 66, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

97. (New) The door phone system according to Claim 67, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

98. (New) The door phone system according to Claim 68, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

99. (New) The door phone system according to Claim 69, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

100. (New) The door phone system according to Claim 70, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

101. (New) The door phone system according to Claim 71, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.

102. (New) The door phone system according to Claim 72, wherein the base station includes a camera and the base station transmits the image information obtained by the camera.